

UNITED STATES PATENT OFFICE.

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FINGER GUARD FOR FOLDABLE BUS DOORS.

Application filed September 8, 1925. Serial No. 55,103.

This invention relates generally to finger guards and refers more particularly to those designed for use with foldable doors and the like.

One of the essential objects of the invention is to provide a guard of this type that will effectively prevent anything such as a person's fingers or hand from being caught between the sections of foldable doors when the latter are closed.

Another object is to provide a flexible guard that will prevent dust, dirt, etc. passing between the sections of the door into the body of the vehicle irrespective of whether the door is open or closed.

A further object is to provide a durable guard that can be manufactured at a comparatively low cost and that can be easily and quickly applied to the sections of a foldable door.

With the above and other objects in view the invention resides in certain novel features of construction, combinations and arrangements of parts as will be more fully described and pointed out in the appended claims.

In the accompanying drawings:

Figure 1 is a fragmentary side elevation of a foldable door in closed position.

Figure 2 is a view similar to Figure 1 but showing the door in open position.

Figure 3 is a horizontal sectional view taken on the line 3—3 of Figure 1.

Figure 4 is a horizontal sectional view taken on the line 4—4 of Figure 2.

Referring now to the drawings, the numeral 1 designates a foldable door, preferably of a motor bus having suitable sections 2 and 3 respectively connected together at their adjacent edges by hinges 4. As usual, the door is hinged upon the front body pillar of the bus and is adapted to be actuated by suitable mechanism (not shown) located conveniently to the driver.

Located upon the inner side of the door is a flexible shield 5 that is preferably connected to the sections 2 and 3 respectively at the adjacent edges thereof in such a way that it will effectively prevent anything from being caught between the sections when the door is closed and will also prevent dust, dirt etc. passing between the sections into the bus irrespective of whether the door is

open or closed. As shown, this shield 5 is formed of rubberized fabric and is provided with the spaced longitudinally extending pockets 6 and 7 respectively which receive suitable stiffening members such as the strips 8 and 9 respectively of card board. The pocket 6 is secured along its forward edge to the inner face of the section 2 and is of sufficient width to overlap the adjacent inner face of the section 3 when the door is closed, while the pocket 7 is substantially equal in width to the forward edge of the rear section 3 and is secured thereto preferably by the tacks 10. If desired, a suitable strip 11 of molding may be secured to the inner face of the forward section 2 to conceal the tacks 12 and joint between the pocket 6 and section 2.

Thus, from the foregoing description, it will be apparent that the stiffening member 8 will tend to hold the pocket 6 flat against the inner faces of the sections 2 and 3 when the door is closed, (see Figure 1) but will bend sufficiently to permit the pocket 6 to move transversely around the beveled rear edge of the section 2 when the door is open, (see Figure 2). The intermediate portion or web 13 of the shield is disposed against the inner face of the section 3 in rear of the pocket 6 when the door is closed but constitutes a lateral extension of said pocket when the door is open as shown clearly in Figure 2. Hence, this intermediate portion or web will cooperate with the pocket 6 to prevent anything from being caught between the sections 2 and 3 of the door and also to prevent dust, dirt, etc. passing between said sections into the body of the bus. Moreover the arrangement is such that the intermediate portion 13 and pocket 7 are normally concealed by the pocket 6, hence the joint between the sections 2 and 3 of the door is neat in appearance.

While it is believed that from the foregoing description, the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What I claim as my invention is:

1. The combination with two relatively movable sections, of a shield having rein-